

VALUE ENGINEERING CHANGE PROPOSAL  
MISSOURI DEPARTMENT OF TRANSPORTATION

Contract ID 081219-605 Job No. J651984 Date 1/26/09  
County Jefferson Rt. 110 Original Bid Cost 1,875,000.00  
Contractor N.B. West Contracting By Tim Schulte  
Designed By Shirley J. Norris Phone 314-962-3145  
VECP# 09-09 (to be completed by C.O.) VECF ☐ or VECF/PDU ☐

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

See attached letter dated 1/26/09 VE

2. Estimate of reduction in construction costs.

\$ 84,053.52

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

This change should help reduce future maintenance cost.

The Nova chip would provide a better friction course than Sp125C(4-22)

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

1/26/09  
(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

2-15-09  
(date)

Complete work 2 days Earlier  
(effect)

6. Dates of any previous or concurrent submission of the same proposal.

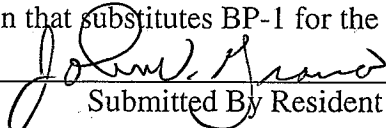
N/A  
(date and/or dates)

Additional Comments:

**\*\* Portion Below This Line To Be Filled Out by MoDOT \*\***

**Comments:**

Based on the Area Team review and discussions with District Materials and Headquarters, the scope of this project was to provide structure, longevity and improved surface friction with the 1 3/4" SP125CLP as opposed to a type C UBAWS or maintenance surface treatment on Rte 110. There is also 10% truck traffic on this roadway. Therefore I do not recommend this portion of the value engineering change proposal. I do, however, recommend the portion that substitutes BP-1 for the type C UBAWS on the side roads as a 50/50.

  
Submitted By Resident Engineer


2/9/2009

Date

**Comments:**

AS NOTED ABOVE. WE RECOMMEND APPROVAL OF THE USE OF BP-1 ON THE SIDE ROADS INSTEAD OF T.Y.C. UBAWS.

- ☒ ~~PARTIAL~~ Approval Recommended  
☐ Rejection Recommended

  
District Engineer

2-11-09  
Date

**Comments:**

N/A


- ☐ Approval Recommended  
☐ Rejection Recommended

Federal Highway Administration  
Required for FHWA Full Oversight Projects

Date

**Comments:**

- ☒ Approval  
☐ Rejection

  
State Construction and Materials Engineer

590  
Date

Distribution: Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer, Value Engineering Administrator - MoDOT, P. O. Box 270, Jefferson City, MO 65102

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January 26, 2009

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Missouri Department of Transportation  
Festus Project Office  
Mr. John Grana, R.E.  
3595 Plass Road  
Festus, MO 63028

Project: 081219-605  
Job No. J6S1984  
Rte. 110  
Jefferson County

**Subject: VE Proposal**

**Item 1. Existing requirements**

The typical section shows a 1" scratch course of BP-1 on the shoulders and mainline from rte 21 east to main street and then overlay the shoulders with 1 ¾ BP-1 and overlay the mainline with 1 ¾ SP125CLP (64-22). The side roads are shown to be paved with Nova chip.

**Proposed changes**

From rte 21 to Main Street we would still pave the 1" scratch course on the shoulders and mainline then overlay full width with (70-22) type C Nova chip. Since the side roads are in generally poor condition we feel that they would be better suited for a 1 ½ BP-1 overlay instead of the ¾ Nova chip.

**Eliminate:** (\$ 426,339.47)

BP-1 shoulder work 881 tons @ \$56.50 = \$ 49,776.50

SP125CLP (64-22) 1886.2 tons @ \$ 72.60 = \$ 136,938.12

UBAWS (70-22) 46,603 SY @ \$ 4.95 = \$ 230,684.85

Tack Coat 2980 gal @ \$ 3.00 = \$ 8,940.00

**Add:** \$ 342,285.95

UBAWS (70-22) 29,799 sy @ \$ 4.95 = \$ 147,505.05

BP-1 (64-22) Side roads 3200 tons @ \$ 56.50 = \$ 180,800.00

Tack Coat 4660 @ \$ 3.00 = \$ 13,980.90

Difference is \$ 84,053.52

Sincerely,

Tim Schulte  
Vice President Asphalt Operations

# VALUE ENGINEERING CHECK SHEET

## **TYPE OF WORK**

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's, ect.)
- ☐ TCP/MOT
- ☒ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. \_\_\_\_\_

## **SUMMARY OF PROPOSAL**

(If needed, condense summary to a couple of lines)

Substitute type C Nova chip for SP125 on mainline, substitute BP-1 for Nova chip on side roads.

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## **SCANNING OF DOCUMENT**

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

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